

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : **08-292558**  
 (43)Date of publication of application : **05.11.1996**

(51)Int.CI.

G03F 7/00  
 B41N 1/14  
 G03F 7/027  
 G03F 7/11

(21)Application number : **08-025241**

(71)Applicant : **TORAY IND INC**

(22)Date of filing : **13.02.1996**

(72)Inventor : **ISONO MASANAO  
 BABA YUZURU  
 IKEDA NORIMASA**

(30)Priority

Priority number : **07 33541**   Priority date : **22.02.1995**   Priority country : **JP**

## (54) PLANOGRAPHIC PRINTING PLATE, ITS PRODUCTION AND PLANOGRAPHIC PRINTING MASTER PLATE

### (57)Abstract:

PURPOSE: To efficiently render a printing plate to be ink-repellent with a small supply amt. of damping water by forming a nonpicture part comprising a hydrophilic swellable layer in such a manner that the nonpicture part has a phase separation structure of two phases essentially comprising a hydrophilic polymer and hydrophobic polymer, respectively.

CONSTITUTION: A nonpicture part comprising a hydrophilic swellable layer has a phase separation structure of two phases essentially comprising a hydrophilic polymer and a hydrophobic polymer, respectively. The hydrophilic polymer is a water-soluble polymer, pseudo water-soluble polymer or water-swellable polymer, and for example, a natural polymer such as starch-acrylonitrile-based grafted polymer hydrolysate and synthetic polymer such as polyvinyl alcohol can be used. As for the hydrophobic polymer, a polymer essentially comprising a water-based emulsion is preferable, and for example, vinyl polymer latex, conjugate diene polymer latex, water-based or water-dispersed polyurethane resin can be used.

### LEGAL STATUS

[Date of request for examination] **16.04.1998**

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] **3036425**

[Date of registration] **25.02.2000**

[Number of appeal against examiner's decision of rejection]